

# Considerations for TSN configuration for avionic network

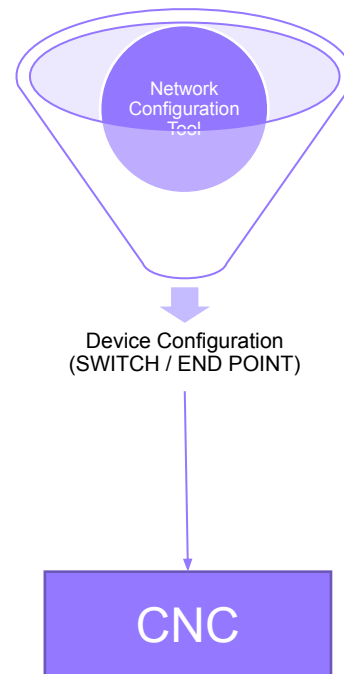
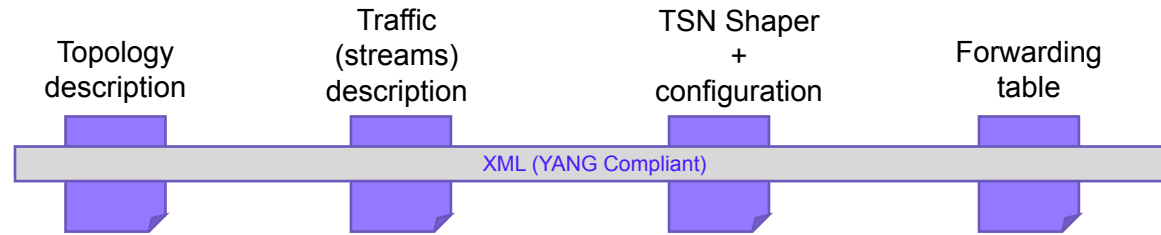
IEEE 802.1DP

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# Introduction

This presentation aims at presenting context elements and making proposals for TSN network configuration and data loading, based on hypothesis relevant for Commercial aircraft avionic networks.

# TSN Switch configuration table

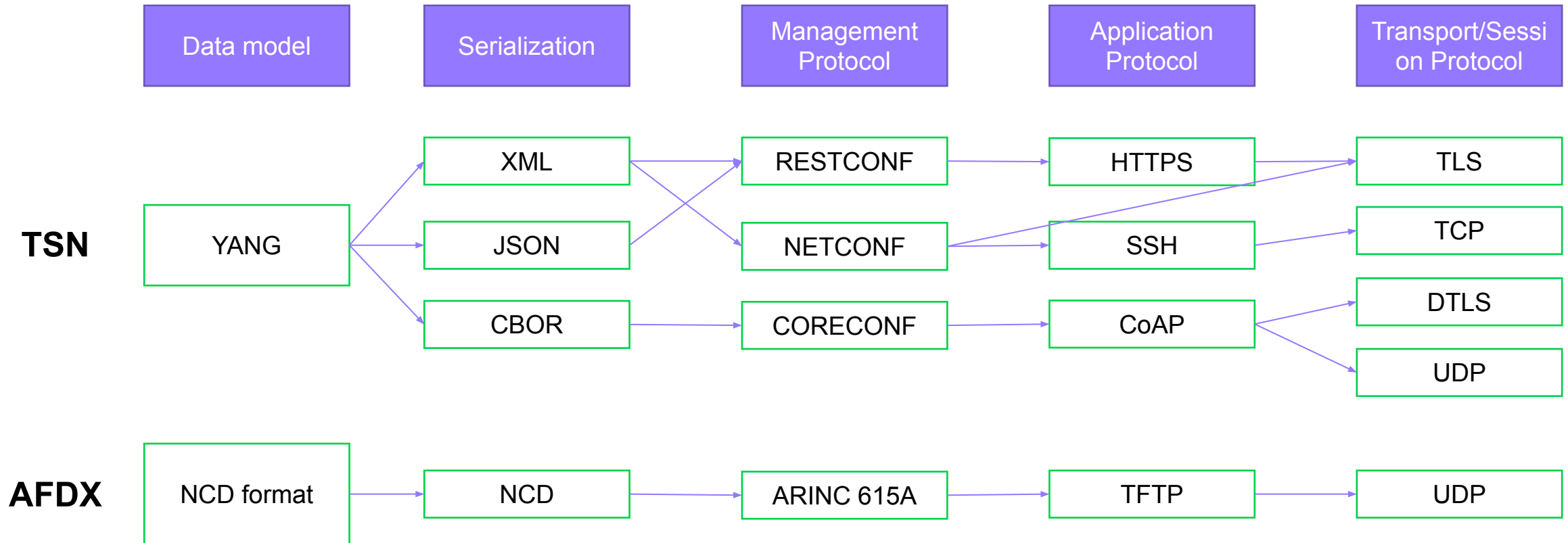


## Open items:

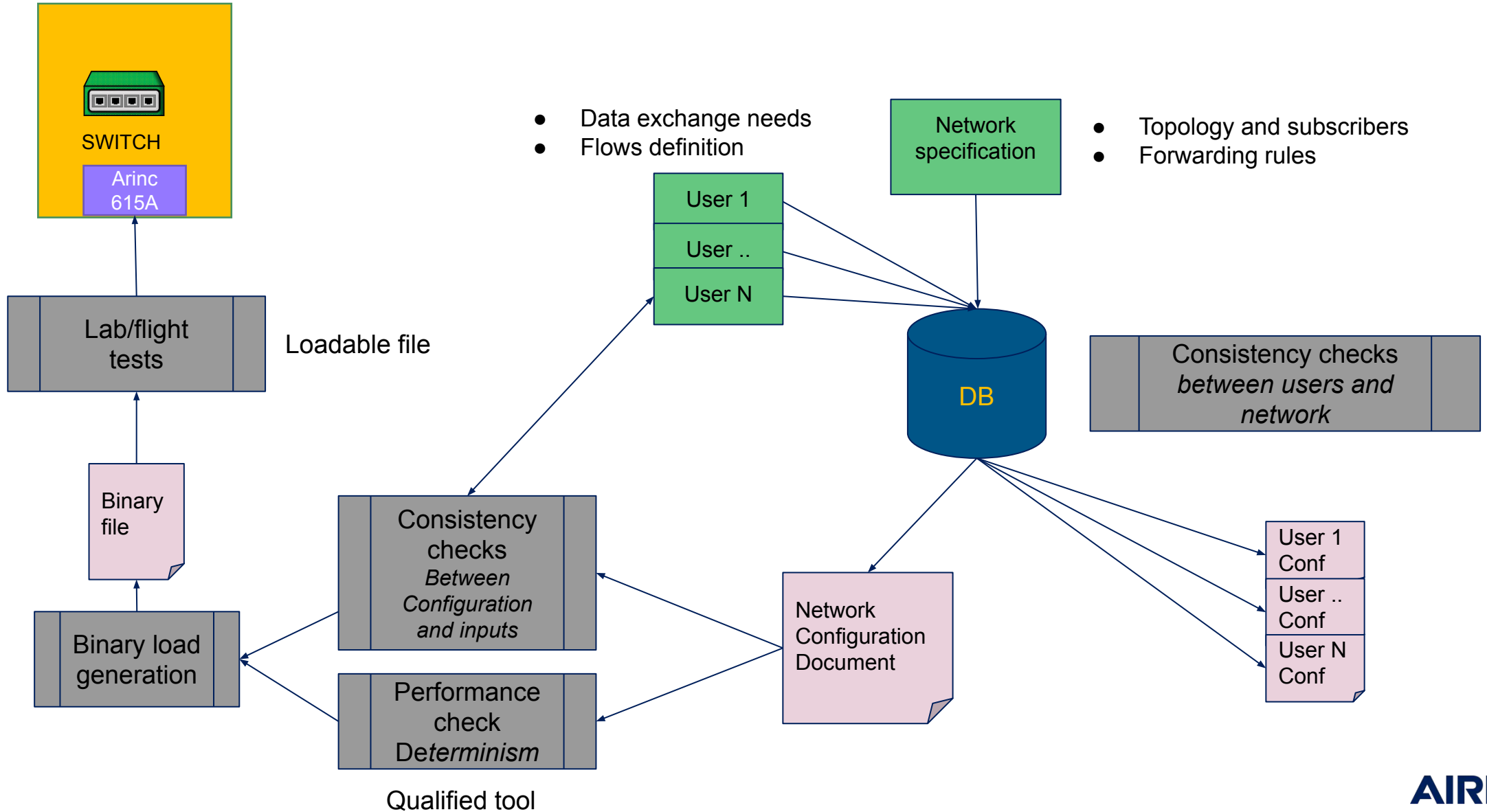
Which configuration for endpoints?  
Should Stream Identification method be specified? Per Switch?

# YANG SDN Protocol Ecosystem

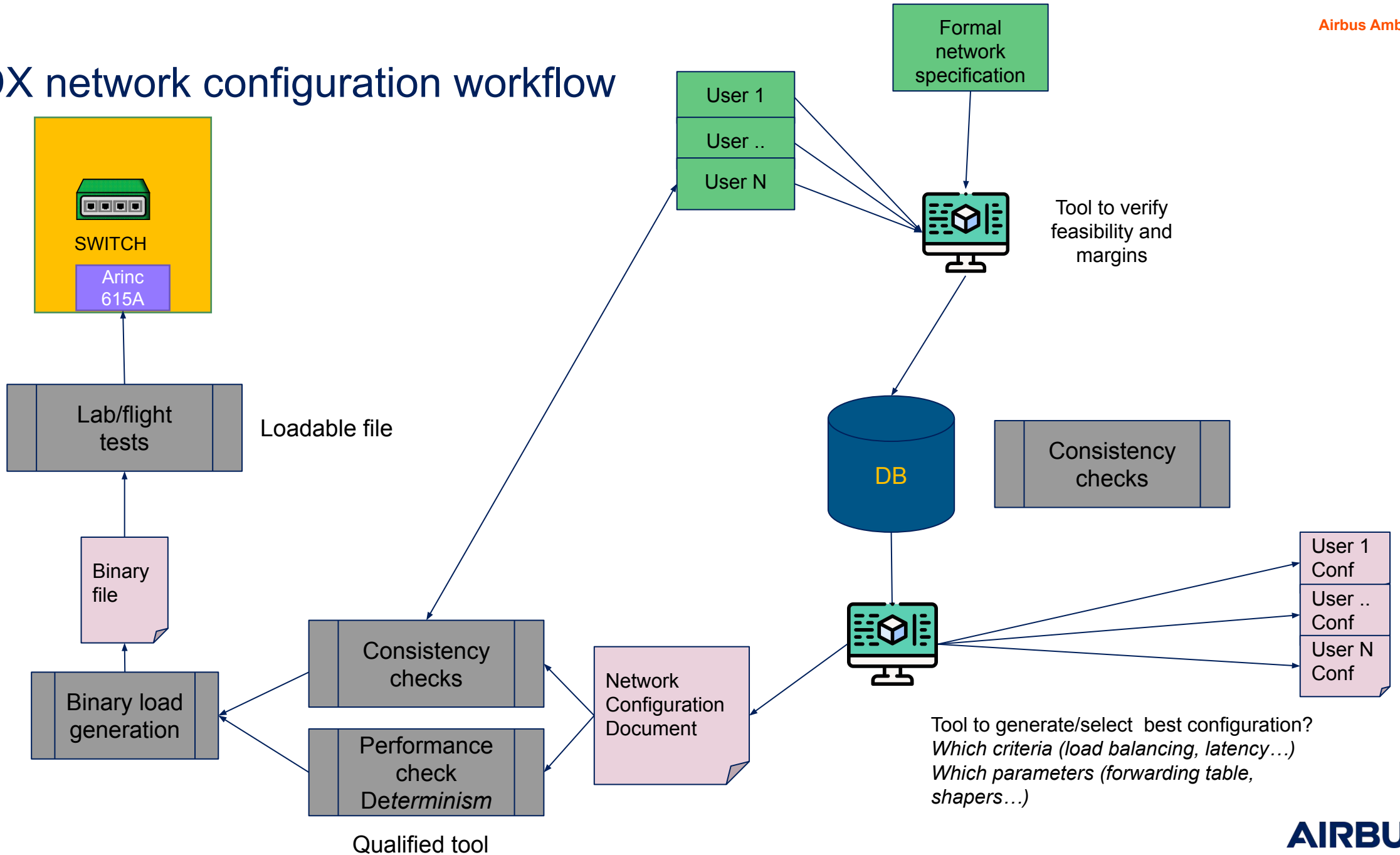
SDN : Software Defined Networking



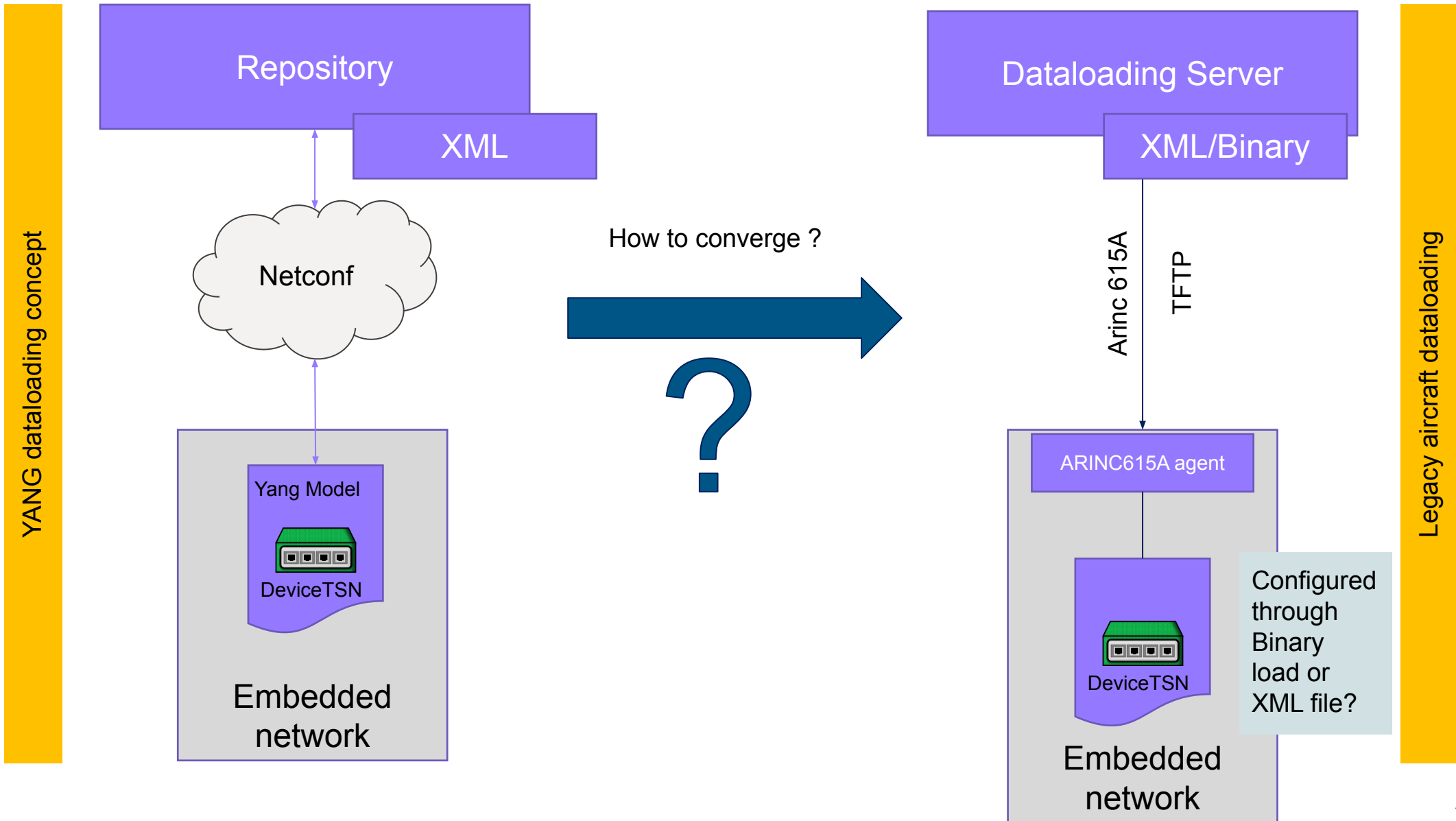
# Avionic network configuration workflow



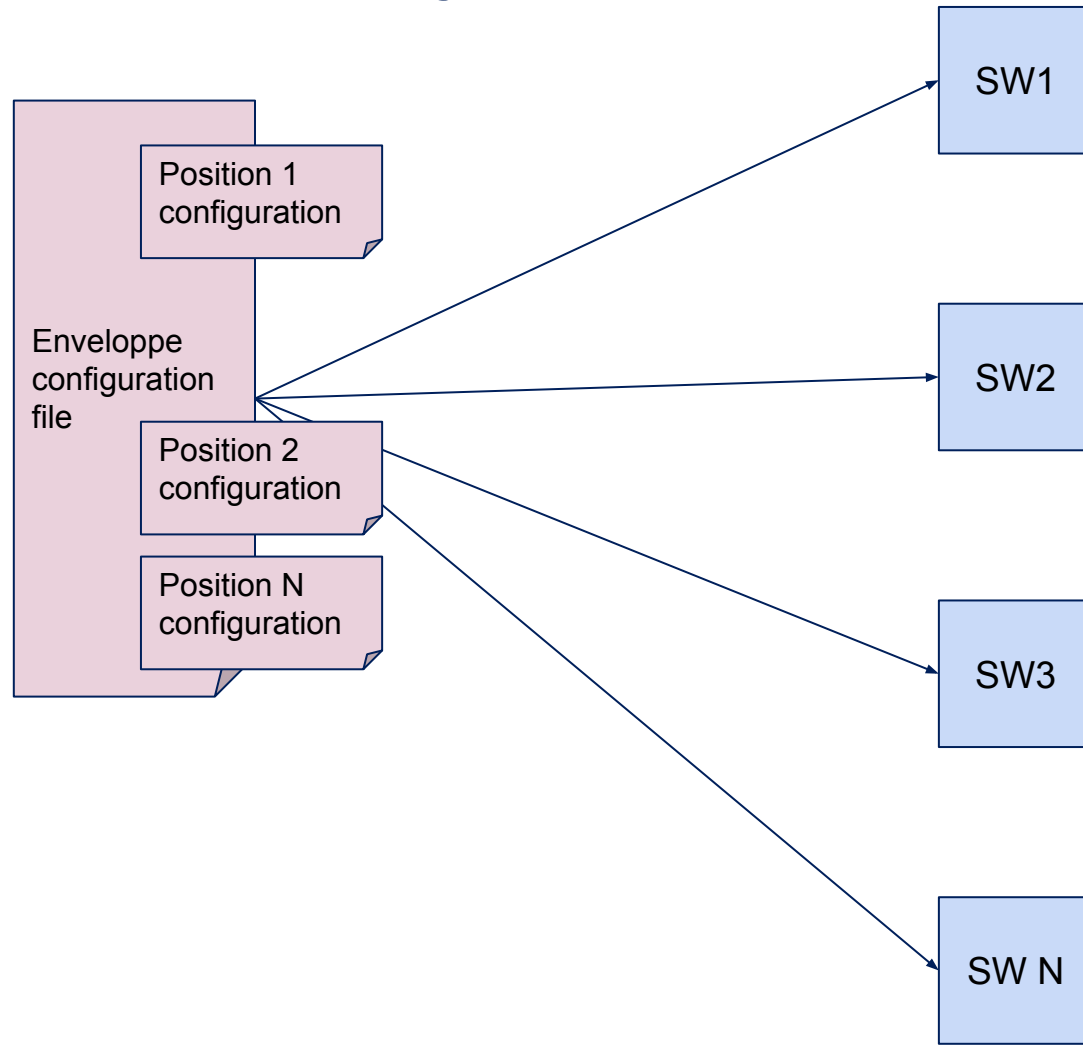
# AFDX network configuration workflow



# YANG Model approach vs Arinc 615A protocol



# Enveloppe Configuration Concept



1 single file for the entire network configuration brings significant benefits:

- One Part Number to manager in configuration
- One file to handle for checks, test, validation and certification
- One file to manage in-service (dataloading...)

Endpoint configuration files can be handled independantly



